

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 02243615  
 PUBLICATION DATE : 27-09-90

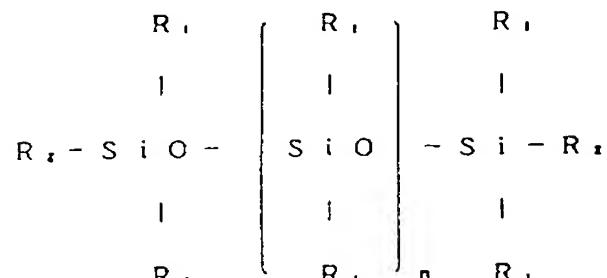
APPLICATION DATE : 16-03-89  
 APPLICATION NUMBER : 01064091

APPLICANT : TOYO BIYUUT KK;

INVENTOR : SHIBAYAMA YUJI;

INT.CL. : A61K 7/06

TITLE : SILICONE EMULSION COMPOSITION  
 FOR HAIR



ABSTRACT : PURPOSE: To obtain the title composition consisting of an emulsion having good stability and fine granule size, having high absorbing properties to hair and capable of providing excellent gloss and wet feeling to the hair by blending a silicone oil having a specific polymerization degree with a cationic high polymer.

CONSTITUTION: The silicone emulsion composition for hair obtained by blending one or more kind of silicone oils, e.g. dimethylpolysiloxane or methylphenylpolysiloxane, expressed by the formula ( $R_1$  is  $CH_3$  or part thereof is phenyl;  $R_2$  is  $CH_3$  or  $OH$ ;  $n$  is integer of  $\geq 50$ ) with one or more kind of cationic high polymers, e.g. quaternary ammonium derivative of hydroxypropylguar as essential ingredients and having the above-mentioned effects. The composition can be readily blended with hair washing agent or hair cosmetic and is good in retaining properties of silicone also after washing hair and has excellent use feeling as well as excellent stability with the passage of day.

COPYRIGHT: (C)1990,JPO&Japio